

ABSTRACT

An illuminating device (1) is formed of a light source (12) in which LED chips (11) are arranged in an array shape and lens cells (14) are arranged on a light-emission side of each of the LED chips (11), and a pair of fly's eye lenses (13) that integrates and guides to a liquid crystal panel (3) the light emitted from each of the LED chips (11) and collimated by the lens cells (14). The LED chip (11) and the lens cell (14) are formed in a square shape, and an aspect ratio thereof corresponds to that of the liquid crystal display panel (3). In addition, the lens cells (14) are arranged separately from one another in such a manner to have wall surfaces (air gaps), and the wall surfaces serve as reflective surfaces.